



630,479
63,937-104

PATENT

IN THE SPECIFICATION

Please cancel the Table 1 on page 6 of the specification beginning after line 12 and insert the substitute Table 1 therefore:

Temperature (°C)	Longest Usable Wavelength (nm) for Detection by Sensor 30
<800	700 nm
800	680
1000	645
1200	596
1400	545
1600	496
1800	441
2000	385
2200	338
2400	283
2600	233
3000	220
4000	185

IN THE CLAIMS

Please amend claims 1, 14 and 19 as follows, and add new claims 20-22. Pursuant to 37 CFR § 1.121, a clean copy follows immediately below with a marked-up version showing changes made attached in Exhibit A.

1. (Once Amended) An optical system for producing an image of the surface of an object, said object having a characteristic, temperature-dependent, dominant, self-emitted EMR spectrum, comprising:

an EMR source for projecting electromagnetic radiation toward said object;
an EMR detector for selectively detecting a spectrum component of said projected EMR, said component being reflected by the surface of said object and being directed toward said EMR detector;